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India

Post: New Delhi

GOI Notifies Standards for Histamine Level in Fish and Fish Products

Report Categories:

Fishery Products
Sanitary/Phytosanitary/Food Safety
FAIRS Subject Report

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Report Highlights:

The Government of India's (GOI) Food Safety and Standards Authority of India (FSSAI) published official gazette notification for Food Safety and Standards (Contaminants, toxins and Residues) First Amendment Regulations, 2017, which defines the list of histamine forming fishes and standards for histamine level in fish and fishery products. The regulation has not been notified to the World Trade Organization (WTO) till date.

General Information:

Disclaimer: The information contained in this report was retrieved from the GOI website: http://www.fssai.gov.in/. The Office of Agricultural Affairs and/or the U.S. Government make no claim of accuracy or authenticity. The summary below is based on a *cursory* review of the subject announcement and, therefore, should not under any circumstances be viewed as a definitive interpretation of the regulation in question, or of its implications for U.S. agricultural trade interests.

On January 20, 2017, the Government of India's (GOI) Food Safety and Standards Authority of India (FSSAI) notified Food Safety and Standards (Contaminants, toxins and Residues) First Amendment Regulations, 2017 to amend the Food Safety and Standards (Contaminants, toxins and Residues) Regulations, 2011. The new regulation defines the list of histamine forming fishes and standards for histamine level in fish and fishery products. On March 16, 2016 GOI notified the Draft Food Safety and Standard (Contaminants, Toxins and Residues) Amendment Regulations, 2016 to the WTO for comments (please see [Mod054]) which published the draft standards for histamine level in fish and fish products. The regulation has not been notified to the World Trade Organization (WTO) till date.

The full text of the regulation is pasted below or can be accessed at <u>Standards of List of Histamine</u> <u>Forming Fish Species and Limits of Histamine level for Fish and Fishery Products</u> on the FSSAI website.

Final details on the regulation:

Type of Regulation: Final

GOI Publication Date: January 20, 2017 (Date of Publication in Official Gazette)

WTO Notification Date: Not notified (as of February 7, 2017)

Date of Implementation: January 20, 2017 (Date of Publication in Official Gazette)

Date of Implementation: To be determined Products Affected: Fish and Fishery Products

Agency in Charge: Food Safety and Standards Authority of India, GOI



असाधारण

EXTRAORDINARY

भाग III—खण्ड 4

PART III—Section 4

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 24]	नई दिल्ली, शुक्रवार, जनवरी 20, 2017/पौष 30, 1938
No. 24]	NEW DELHI, FRIDAY, JANUARY 20, 2017/PAUSA 30, 1938

MINISTRY OF HEALTH AND FAMILY WELFARE

(Food Safety and Standards Authority of India)

NOTIFICATION

New Delhi, the 18th January, 2017

F. No. 1-10(2)/Standards/SP(Fish and Fisheries Products)/FSSAI-2013.—Whereas the draft of certain regulations further to amend the Food Safety and Standards (Contaminants, toxins and Residues) Regulations, 2011, was published as required under sub-section (1) of section 92 of the Food Safety and Standards Act, 2006 (34 of 2006), vide notification of the Food Safety and Standards Authority of India number F.No.1-10(2)/Standards/SP(Fish and Fisheries Products)/FSSAI-2013, dated the 14th June, 2016 in the Gazette of India, Extraordinary, Part III, Section 4, inviting objections or suggestions from the persons likely to be affected thereby, before the expiry of the period of thirty days from the date on which the copies of the Gazette containing the said notification were made available to the public;

And whereas copies of the said Gazette were made available to the public on 23rd June, 2016;

And whereas the objections and suggestions received from the public in respect of the said draft regulations have been considered by the Food Safety and Standards Authority of India;

Now, therefore, in exercise of the powers conferred by clause (i) of sub- section (2) of section 92 of the Food Safety and Standards Act, 2006, the Food Safety and Standards Authority of India hereby makes the following regulations further to amend the Food Safety and Standards (Contaminants, toxins and Residues) Regulations, 2011, namely:-

Regulations

- Short title and commencement.—(1) These regulations may be called the Food Safety and Standards (Contaminants, toxins and Residues) First Amendment Regulations, 2017.
 - These regulations shall come into force on 1st July, 2017.
- In the Food Safety and Standards (Contaminants, toxins and Residues) Regulations, 2011, in regulation 2.5, relating to "Other Contaminants", after sub-regulation 2.5.1, the following sub-regulation shall be inserted, namely:-
- "2.5.2 Histamine in Fish and Fishery Products contaminants, toxins and Residues
 - 3. Fish species having potential to cause histamine poisoning

Sl. No.	Family	Scientific Name	Common Name
1.	Carangidae	Alectis indica	Indian Threadfish
		Alepes spp.	Scad
		Atropus atropos	Cleftbelly trevally
		Carangoides bartholomaei	Yellow Jack
		Carangoides spp.	Trevally
		Caranx crysos	Blue runner
		Caranx spp.	Jack/Trevally
		Decapterus koheru	Koheru
		Decapterus russelli	Indian scad
		Decapterus spp.	Scad
		Elagatis bipinnulata	Rainbow Runner
		Megalaspis cordyla	Horse Mackerel/Torpedo Scad
		Nematistius pectoralis	Roosterfish
		Oligoplites saurus	Leather Jacket
		Pseudocaranx dentex	White trevally
		Scomberoides commersonnianus	Talang queenfish
		Scomberoides spp.	Leather Jacket/Queen Fish
		Selene spp.	Moonfish
		Seriola dumerili	Greater/Japanese Amberjack or Rudder Fish
		Seriola lalandi	Yellowtail Amberjack
		Seriola quinqueradiata	Japanese Amberjack
		Seriola rivoliana	Longfin Yellowtail
		Seriola spp.	Amberjack or Yellowtail
		Trachurus capensis	Cape Horse Mackerel
		Trachurus japonicas	Japanese Jack Mackerel
		Trachurus murphyi	Chilean Jack Mackerel
		Trachurus novaezelandiae	Yellowtail Horse Mackerel
		Trachurus spp.	Jack Mackerel/Horse Mackerel
		Trachurus trachurus	Atlantic Horse Mackerel
		Uraspis secunda	Cottonmouth jack
2.	Chanidae	Chanos chanos	Milkfish
3.	Clupeidae	Alosa pseudoharengus	Alewife
		Alosa spp.	Herring
		Amblygaster sirm	Spotted Sardinella
		Anodontostoma chacunda	Chacunda gizzard shad
		Brevoortia patronus	Gulf Menhaden
		Brevoortia spp.	Menhaden
		Brevoortia tyrannus	Atlantic Menhaden
		Clupea bentincki	Araucanian Herring
		Clupea harengus	Atlantic Herring
		Clupea pallasii pallasii	Pacific Herring
		Clupea spp.	Pichard/Shad/Herring
		Dorosoma spp.	Gizaard Shad
		Ethmalosa fimbriata	Bonga Shad
		Ethmidium maculatum	Pacific Menhaden
		Etrumeus sadina	Red-eye round Henring
		Harengula spp.	Sprat/Henring
		Harengula thrissina	Pacific flatiron Herring

SI No	Family	Scientific Name	Common Name
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		Hilsa spp.	Shad
		Nematolosa spp.	Gizzard Shad
		Opisthonema libertate	Pacific thread Herring
		Opisthonema spp	Thread Henring
		Opisthopterus tardoore	Tardoore
		Sardina pilchardus	European Pilchard
		Sardinella aurita	Round Sardinella
		Sardinella gibbosa	Gold stripe Sardinella
		Sardinella longiceps	Indian Oil Sardine
		Sardinella maderensis	Madeiran Sardinella
		Sardinella spp.	Sardine
		Sardinops sagax	South American Pilchard
		Sardinops spp.	South American Pilchard
		Spratelloides gracilis	Silver-stripe round herring
		Tenualosa ilisha	Hilsa shad
		Tenualosa spp.	Shad
4	Coryphaenidae	Coryphaena hippurus	Mahi-Mahi /Dolphin fish
5	Engraulidae	Anchoa spp.	Anchovy
		Anchoviella spp.	Anchovy
		Cetengraulis mysticetus	Pacific anchoveta
		Engraulis capensis	Southern African anchovy
		Engraulis encrasicolus	European anchovy
		Engraulis japonicus	Japanese anchovy
		Engraulis ringens	Peruvian anchovy
		Engraulis spp.	Anchovy
		Stolephorus spp.	Anchovy
6	Istiophoridae	Istiompax indica	Black Marlin
		Istiophorus albicans	Atlantic sailfish
		Istiophorus platypterus	Indo-Pacific sailfish
		Kajikia albida	Atlantic white Marlin
		Kajikia audax	Striped Marlin
		Makaira mazara	Indo-Pacific blue marlin
		Makaira spp.	Marlin/Sailfish
		Tetrapturus spp.	Marlin/Spearfish
		Tetrapturus spp.	Spearfish
7	Mugilidae	Mugil cephalus	Flathead Grey Mullet
8	Pristigasteridae		Ilisha/Pellona
		Pellona ditchella	Indian pellona
9	Scombridae	Acanthocybium solandri	Wahoo
		Auxis spp.	Bullet Tuna/Frigate Tuna
		Cybiosarda elegans	Leaping Bonito
		Euthynnus affinis	Little tuna or Kawakawa
		Euthynnus spp.	Bonito
		Gasterochisma melampus	Butterfly kingfish
		Grammatorcynus spp.	Short Mackerel
		Grammatorcynus spp. Gymnosarda unicolor	Dogtooth Tuna
		Katsuwonus pelamis	Skipjack Tuna
		Orcynopsis unicolor	Plain Bonito
		Oreynopsis unicotor	FIAIR DOUGO

Sl. No.	Family	Scientific Name	Common Name
		Rastrelliger brachysoma	Short Mackerel
		Rastrelliger kanagurta	Indian Mackerel
		Sarda spp	Bonito
		Scomber australasicus	Blue Mackerel
		Scomber japonicas	Chub Mackerel
		Scomber scombrus	Atlantic Mackerel
		Scomber spp.	Mackerel
		Scomberomorus cavalla	King Mackerel
		Scomberomorus commerson	Narrow-barred Spanish Mackerel
		Scomberomorus guttatus	Indo-Pacific king mackerel/Spotted Spanish Mackerel
		Scomberomorus niphonius	Japanese Spanish mackerel
		Scomberomorus spp.	Spanish Mackerel
		Scomeromorus lineolatus	Streaked Seerfish
		Thunnus alalunga	Albacore Tuna
		Thunnus albacares	Yellowfin Tuna
		Thunnus atlanticus	Blackfin Tuna
		Thunnus maccoyi	Southern bluefin Tuna
		Thunnus obesus	Bigeye Tuna
		Thunnus orientalis	Pacific bluefin Tuna
		Thunnus spp.	Tuna
		Thunnus thynnus	Atlantic bluefin Tuna
		Thunnus tonggol	Longtail Tuna
10	Xiphiidae	Xiphias gladius	Swordfish

4. Limits of histamine level in fish and fishery products

Sl. No	Product Category	Applicable to	Histamine Level	
1.	Raw/Chilled/Frozen Finfish	Species with high amount of free histidine	n=9, c=2; m=100 mg/kg, M=200 mg/kg	
2.	Thermally Processed Fishery Products	(Listed fish species with potential to cause histamine fish poisoning)	potential to cause M=200 mg/kg,	
3.	Smoked fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg	
4.	Fish Mince/Surimi and analogues		n=9, c=2; m=100 mg/kg, M=200 mg/kg	
5.	Battered and breaded fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg	
6.	Other Ready to Eat fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg	
7.	Other value added fishery products		n=9, c=2; m=100 mg/kg, M=200 mg/kg	
8.	Other fish based products		n=9, c=2; m=100 mg/kg, M=200 mg/kg	
9.	Dried/ Salted and Dried fishery products		n=9, c=2; m=200 mg/kg, M=400 mg/kg	
10.	Fermented Fishery products		n=9, c=2; m=200 mg/kg, M=400 mg/kg	

Sl. No	Product Category	Applicable to	Histamine Level
11.	Fish Pickle		n=9, c=2; m=200 mg/kg, M=400 mg/kg

Where.

- n : Number of units comprising the sample
- c : Maximum allowable number of defective sample units
- m : Acceptable level in a sample
- M : Specified level when exceeded in one or more samples would cause the lot to be rejected

Satisfactory, if the following requirements are fulfilled:

- 1. the mean value observed is $\leq m$
- 2. a maximum of c/n values observed are between m and M
- 3. no values observed exceed the limit of M.

Unsatisfactory, if the mean value observed exceeds m or more than c/n values are between m and M or one or more of the values observed are >M."

PAWAN AGARWAL, Chief Executive Officer [ADVT-III/4/Exty./391/16(187-O)]

Note. - The principal regulations were published in the Gazette of India, Extraordinary, Part III, Section 4 vide notification number F. No. 2-15015/30/2010, dated the 1st August, 2011 and subsequently amended vide notification numbers:

- F. No.1-12/Sci.panel/(Notification)/FSSAI/2012, dated the 3rd December, 2014;
- F. No. P. 15025/264/13-PA/FSSAI, dated the 4th November, 2015;
- (iii) F.No.1-99/1/SP(Contaminants)/FSSAI/2009, dated the 4th November, 2015;
- (iv) F. No. 1-99/4/SP(Contaminants)/FSSAI/2014, dated the 4th November, 2015;
- (v) F.No. 1-10(6)/Standards/SP(Fish and Fisheries Products)/FSSAI-2013, dated the 4th January, 2016;
- (vi) F.No. P.15025/264/13-PA/FSSAI, dated the 5th January, 2016;
- (vii) F.No.P.15025/264/13-PA/FSSAI, dated the 3rd May, 2016; and
- (viii) F. No.1-99/SP (Contaminants)/REG/FSSAI/2015 dated the 10th October, 2016.